

# UNIGREEN

# FXF POLIPO VENTAGLI



## LOW AND MEDIUM VOLUME RANGE

*Teuton low volume mist blower range and Airdrop*

# TURBOTEUTON

## XPV 500 FAN

The design of the TT-500 project anticipates a well dimensioned structure suitable to the new turbin models XPV (Extra power). Adopted as standard, a special clutch centrifugal expansion in sintered material to ensure durability, even with the new hydraulic PTO and a gearbox with synchronised gear and two speed (1:6,7 and 1:7,4) in order to adapt the air to the vegetation without wasting energy, maintaining an air speed at 80 m / sec even in the first speed. All construction materials have been carefully selected to minimize the noise. The project TT 500 XPV generated a range of machines for localized applications without loss of chemical and energy, with really low drift. The aim of the project is to channel the air only where it is needed, using multiple applications indifferent crops. The high output speed at 80 m / sec, as well as directing the air to the target, it breaks the drops into micro-droplets for an excellent coverage of leaf surface. The turbulence caused by speed moves the leaf that 'flickers' facilitating the cover of the front and rear side of the leaf itself. The localized treatment can be made with a medium volume, using the TT technology or with pneumatic low volume, using Airdrop technology.

### XPV TT 500

Fan diameter	Ø500 mm
Centrifugal clutch	Ø165 mm
Overgear box speed	2
Gearbox RPM (1st and 2nd)	3.620 rpm 4.000 rpm
Max Air delivery	20.000 m3/h
Power required	35 HP



## TURBOTEUTON LOW AND MEDIUM VOLUME

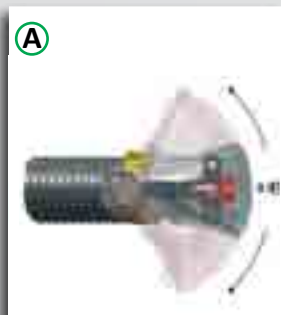
It uses traditional brass jets with ceramic nozzles, in this system the pressure at the nozzle can reach up to 20 bar. The nozzles used are a cone at 80°. The drops are slightly larger than the ones of the Airdrop System, the main purpose is to increase wind or heat resistance during the treatments, and to convey more water, where required. Double nozzles can be mounted in line to increase the angle of treatment even from a short distance.



Auxiliary control



Double brass jets



(A)



1x



2x

## AIIRDROP LOW VOLUME

MFC continuous wire system (patented) has been developed to create an homogenous diffusion of the treated area, characterised by micro-droplets of 80-120 microns, that covers more the leave surface, avoiding "washing" the leaf itself. It uses 500XPV turbines that produce a minimum speed at 80 m / sec, and a nozzle pressure of only 2 bar.

The speed micronized the water droplets, allowing a greater coverage and a reduced use of water, allowing treatment even of only 100 l / ha. Peculiarity of the system is the use of a high pressure pump, in spite of the pressure at nozzle is only 2 bar. An auxiliary high pressure control allows the use of high pressure services, as agitation or an external spraying gun.

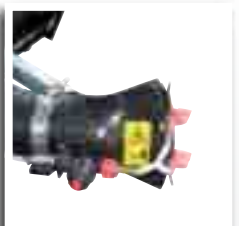
**Advantages:** less waste of water, less waste of chemical, greater autonomy, high pressure pump



### AIIRDROP



Auxiliary control



MFC jets

## FUNCTIONAL APPLICATIONS



High pressure pump



Electric Pressure Regulators



2 speed multiplier



Circuit-washing tank



Rotating nozzle for tank-washing



Lid incorporated washer for chemical containers



Chemical washing container and premixer 14lt



Spraygun (OPT)



Rear lights (OPT)

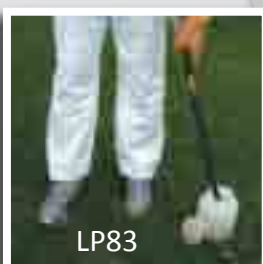


Deviokit

## OPERATOR PROTECTION



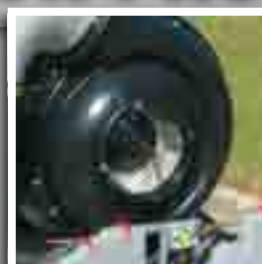
Cabin controls



Powder and liquid suction mixer



Hand washer



Operator protection to EC reg.



Cardan shaft to EC regulations



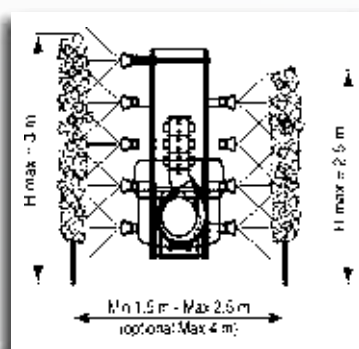
# TURBOTEUTON

## POLIPO 4+4

It is designed for espalier cultivations: the nozzles are adjustable in height and inclination, they go closer the erogation point to the target and allow an effectively penetration inside the vegetation.

The nozzle are available in standard configuration (1100 mm width) or wider, with extensible arms (adjustable from 1100 to 1500 mm). for narrow rows, ask for the super compact model (nozzle width 850 mm)

## AIRDROP TURBOTEUTON



**RALL DIMENSIONS CHART**

Range POLIPO 4+4	pcs 20' ctn	CAPACITY	WHEELS	A	B**	C	NET WEIGHT	HP°	NOTE
P302	6	315 lt	-	1020	1440	2010	310	45	
P402	4	423 lt	-	1220	1535	2010	350	45	
P602	4	634 lt	-	1260	1585	2010	380	45	
T6	8	635 lt	195/65 R15	1100	2570	2890	410	45	
T8	4	850 lt	10.0-80 R12	1050	2780	2930	530	45	
T11	4	1100 lt	10.0-80 R12	1150	2920	2930	560	45	
T16	2	1650 lt	10.0-75 R15	1300	3270	3270	670	45	
T20	2	2140 lt	10.0-75 R15	1420	3390	3390	700	45	

HP\*: Absorbed power  
B\*\*: Without drawbar

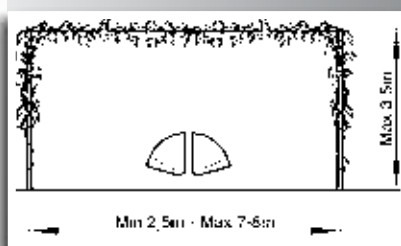
## 2 VENTAGLI

### FAN, CANOPY AND ESPALIER DISTRIBUTORS

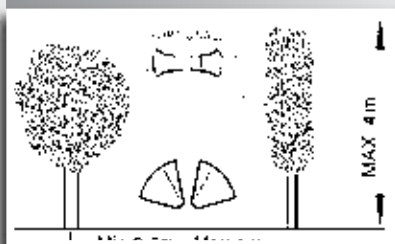
The models TENDONE and SPALLIERA are designed in order to be adapted easily to the cultivations to be treated. They rotate around their own axe to better direct the chemical. The air output section of each nozzle is shaped for a greater range and distribution of the mixture. The two models, TENDONE and SPALLIERA, are used in specific cultivations. For the model SPALLIERA, it is available as accessory a double upper nozzle for especially high cultivations.

**AIRDROP**

### CANOPY

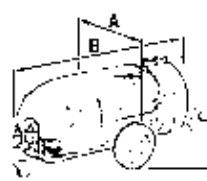


### ESPALIER



**AIRDROP  
TURBOTEUTON**

### RALL DIMENSIONS CHART

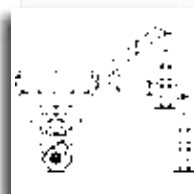
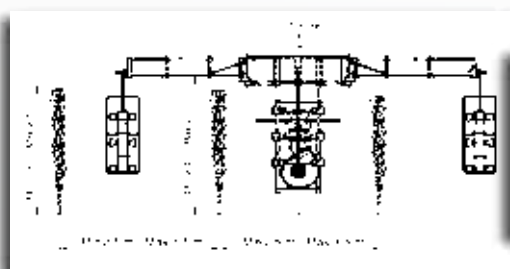
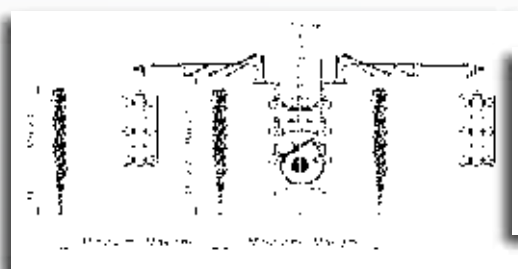
Serie 2 VENTAGLI	pcs 20' ctn	CAPACITY	WHEELS	A	B**	C	NET WEIGHT	HP*	NOTE
P302 Tendone	6	315 lt	-	1020	1470	1220	280	45	 <p>HP*: Absorbed power B**: Without drawbar</p>
P402 Tendone	4	423 lt	-	1220	1580	1200	320	45	
P602 Tendone	4	634 lt	-	1260	1660	1415	350	45	
P302 Spalliera	6	315 lt	-	1180	1600	1260	290	40	
P402 Spalliera	4	423 lt	-	1220	1690	1260	330	40	
P602 Spalliera	4	634 lt	-	1260	1750	1415	360	40	
T6 Tendone	8	635 lt	195/65 R15	1100	2600	1200	380	45	
T8 Tendone	4	850 lt	10.0-80 R12	1050	2820	1280	500	45	
T11 Tendone	4	1100 lt	10.0-80 R12	1150	2960	1340	530	45	
T16 Tendone	2	1650 lt	10.0-75 R15	1300	3310	1430	640	45	
T20 Tendone	2	2140 lt	10.0-75 R15	1420	3430	1450	670	45	
T6 Spalliera	8	635 lt	195/65 R15	1100	2535	1575	390	35	
T8 Spalliera	4	850 lt	10.0-80 R12	1100	2750	1595	510	35	
T11 Spalliera	4	1100 lt	10.0-80 R12	1150	2895	1615	540	35	
T16 Spalliera	2	1650 lt	10.0-75 R15	1300	3245	1600	650	35	
T20 Spalliera	2	2140 lt	10.0-75 R15	1420	3365	1600	680	35	

# TURBOTEUTON

## FXF 2 - FXF 3

### FXF "UP AND OVER" BOOM FOR ESPALIER


The FXF version is a boom built for passing over the rows, the presence of vertical drops keep the nozzles parallel to the cultivation framework, guaranteeing uniformity in treatment. We have available versions for the simultaneous treatment of 2 or 3 complete rows (from 8 to 18 nozzles). The opening, closure and lifting is made through hydraulic cylinders, while the regulation of the arm extension is manual in order to adapt to the different widths of the rows. The external arms are equipped with safety joints in order to avoid damages. In case of collision, the drop folds to overcome the obstacle and returns to its standard working position automatically. The pressure regulator is 4 electric sections in order to close the external sections at the end of the row, keep the nozzle in the inside ones. In both models, there is the accessory of variable geometry(1) in order to adapt the arm drop to the cultivation, in case of difference in level in the soil.



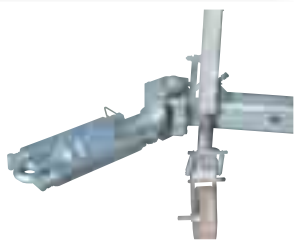
## AIRDROP TURBOTEUTON



### TOVERALL DIMENSIONS CHART

Range FXF 2 - FXF 3	pcs 20' ctn	CAPACITY	WHEELS	A	B**	C	NET WEIGHT	HP°	NOTE
T11 FXF2	2	1100 lt	10.0-75 R15	1835	2810	2810	730	65	 <p>HP*: Absorbed power B**: Without drawbar</p>
T16 FXF2	2	1650 lt	10.0-75 R15	1785	3160	3160	840	65	
T20 FXF2	2	2140 lt	10.0-75 R15	1785	3280	3280	870	65	
T30 FXF3	2	3415 lt	15.0-75 R17	2220	3675	3675	1380	65	
T30LOW FXF3	2	3150 lt	15.0-75 R17	2220	3675	2760	1380	65	

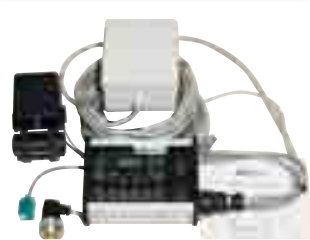
## ACCESSORIES



"Tirolo" drawbar



Steering drawbar



Computer



Brass Pump

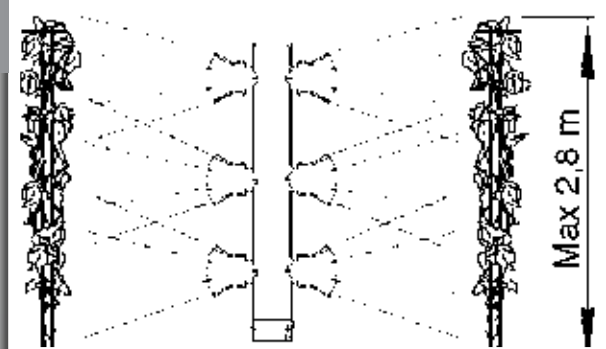
## SPECIAL VERSION

### MINIBAR ESPALIER

Tangential flow head created to bring the diffusers closer to the areas to be treated and therefore permitting specific and localised operations, the vertical construction positions the distributors parallel to the vegetation area, guaranteeing uniform treatment. The variable diffusers contribute to an improved distribution of the product in relation to the requirements of the vegetation. For particular espaliers, we have available a lower double nozzle as OPTIONAL.

### ESPALIER

### AIRDROP

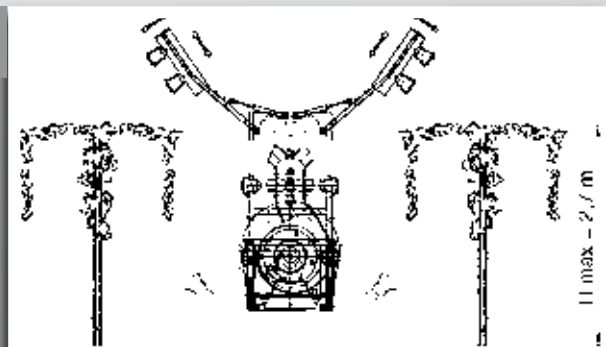


### RV-GDC

This accessory has been designed for vines with GDC rows. The manually adjustable lower arms can also be used to treat areas hidden by the vegetation. The upper arms can be hydraulically inclined independently.

### GDC ROWS

### AIRDROP TURBOTEUTON







## MASCHIO

## GASPARDO UNIGREEN

### the winning team

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DEALER: